

Index for *The Computing Teacher*

Volume 17 #1-8 • 1989-1990

The *Computing Teacher* Index for Volume 17 will be useful as a professional resource and will provide an overview of the kind of information found in *The Computing Teacher*. Entries are indexed by subject descriptor. For an index by author, write to ISTE, Dept. Index 17, University of Oregon, 1787 Agate St., Eugene, OR 97403.

SAMPLE REFERENCE

Subject ↓	Title ↓	Type of entry ↓	Author/Reviewer ↓	Volume, Issue, Page # ↓ ↓ ↓
Mathematics				
	<i>Databasing Geometry in the Elementary Classroom,</i>	col,	Marilyn Sue Ford,	17 01 20.

ABBREVIATION KEY

art..... article	col..... column	rw..... Research Windows
brev..... book review	edit..... editorial	srev..... software review

INDEXED COLUMNS

Action for Equity	Antonia Stone
Computers and the Language Arts	Lynne Anderson-Inman
Computers in the Math Classroom	Kathleen Heid and Jerry Johnson
Computers in the Sciences	Richard Adams and Heidi Imhof
Multimedia Sandbox	Fred D'Ignazio
Research Windows	Linda Polin
Software Reviews	Cathy Carney, Judi Mathis, Julie Poage
Telecommunications in the Classroom	Chris Clark
The Computing Librarian	Carol Truett
The Logo Center	Judi Harris, Molly Watt, and Sharon Yoder

COLUMN EDITOR(S)

SUBJECT DESCRIPTORS

Application Software	Evaluation	Research Skills
Artificial Intelligence	English as a Second Language/ Multicultural	Research Windows (column)
At-Risk Students	Futures	Science
Attitudes	Graphics	Simulations
CAI	Hardware	Social Studies
CD-ROM	Hypermedia	Software
Computer Clubs	Inquiry Environments	Software Reviews (column)
Computer Coordinators	Integrated Teaching Systems	Special Needs
Computer Managed Instruction	Keyboarding	Spreadsheets
Computer Science	Language Arts	Teacher Education
Cooperative Learning	Logo	Teacher Tools
Curriculum Integration	Mathematics	Teaching Strategies
Databases	Multimedia	Telecommunications
Early Childhood	Music	The Computing Librarian (column)
Editor's Message (column)	Problem Solving/Critical Thinking	Videodiscs
Equity	Physical Education	Word Processing
Ethics		

Index for *The Computing Teacher*

Volume 17 #1-8 • 1989-1990

The *Computing Teacher* Index for Volume 17 will be useful as a professional resource and will provide an overview of the kind of information found in *The Computing Teacher*. Entries are indexed by subject descriptor. For an index by author, write to ISTE, Dept. Index 17, University of Oregon, 1787 Agate St., Eugene, OR 97403.

SAMPLE REFERENCE

Subject ↓	Title ↓	Type of entry ↓	Author/Reviewer ↓	Volume, Issue, Page # ↓ ↓ ↓
Mathematics				
	<i>Databasing Geometry in the Elementary Classroom,</i>	col,	Marilyn Sue Ford,	17 01 20.

ABBREVIATION KEY

art..... article	col..... column	rw..... Research Windows
brev..... book review	edit..... editorial	srev..... software review

INDEXED COLUMNS

Action for Equity	Antonia Stone
Computers and the Language Arts	Lynne Anderson-Inman
Computers in the Math Classroom	Kathleen Heid and Jerry Johnson
Computers in the Sciences	Richard Adams and Heidi Imhof
Multimedia Sandbox	Fred D'Ignazio
Research Windows	Linda Polin
Software Reviews	Cathy Carney, Judi Mathis, Julie Poage
Telecommunications in the Classroom	Chris Clark
The Computing Librarian	Carol Truett
The Logo Center	Judi Harris, Molly Watt, and Sharon Yoder

COLUMN EDITOR(S)

SUBJECT DESCRIPTORS

Application Software	Evaluation	Research Skills
Artificial Intelligence	English as a Second Language/ Multicultural	Research Windows (column)
At-Risk Students	Futures	Science
Attitudes	Graphics	Simulations
CAI	Hardware	Social Studies
CD-ROM	Hypermedia	Software
Computer Clubs	Inquiry Environments	Software Reviews (column)
Computer Coordinators	Integrated Teaching Systems	Special Needs
Computer Managed Instruction	Keyboarding	Spreadsheets
Computer Science	Language Arts	Teacher Education
Cooperative Learning	Logo	Teacher Tools
Curriculum Integration	Mathematics	Teaching Strategies
Databases	Multimedia	Telecommunications
Early Childhood	Music	The Computing Librarian (column)
Editor's Message (column)	Problem Solving/Critical Thinking	Videodiscs
Equity	Physical Education	Word Processing
Ethics		

Subject Listing

APPLICATION SOFTWARE

Microsoft Works 2.00a, srev, Keith Wetzel, 170150.

Does Programming Deserve A Place in the School Curriculum?, art, Karin M. Wiburg, 170208.

Creative Approaches for Teaching Applications, art, Helen Blanch, 170220.

Adapting Computer Applications for Multicultural Teaching, art, Jo Lynn Autry Digranes/Swen H. Digranes, 170320.

Creating Student Handouts with a Macintosh Computer, art, Paul Giganti, Jr., 170324.

Through the Looking Glass: The Multiple Layers of Multimedia, col, Fred D'Ignazio, 170425.

AppleWorks 3.0, srev, Neal Strudler, 170436.

ARTIFICIAL INTELLIGENCE

AI in the Elementary, Middle, and Secondary Classroom, art, Susan N. Kirkpatrick/Barbara Biglan, 170514.

AT-RISK STUDENTS

Cooperative Learning and Self-Esteem on the Staff of the Junior Lynx, art, Frances Beebe, 170308.

Pull-In, Reach-Out: Successfully Integrating Technology For At-Risk Students, art, Jo Elise Friedman/Dean Kephart, 170312.

Adapting Computer Applications for Multicultural Teaching, art, Jo Lynn Autry Digranes/Swen H. Digranes, 170320.

Logo Writing: Illustrating Poetry, col, Sharon Yoder/Connie Sue Bowman, 170342.

ATTITUDES

Learning about technology: Family vs. peer pairings, rw, P. Heller/M. Padilla/B. Hertel/R. Olstad, 170105.

CAI

CD-ROM Technology: A New Teaching Tool, art, Richard J. O'Connor, 170350.

Futures: Where will computer-assisted instruction (CAI) be in 1990?, rw, R. C. Atkinson/E. E. Attala/D. L. Bitzer/C. V. Bunderson/S. Charp/J. J. Hirschbuhl, 170608.

CD-ROM

CD-ROM Technology: A New Teaching Tool, art, Richard J. O'Connor, 170350.

CD-ROM Comes of Age in the High School Media Center: Teaching Research Skills, col, Carol Truett, 170539.

COMPUTER CLUBS

Apple Computer Clubs: Encouraging Computer Use in the Classroom and Extracurricular Activities, art, Merle Marsh, 170550.

COMPUTER COORDINATORS

On Being A Technology Advisor, edit, Dave Moursund, 170204.

COMPUTER MANAGED INSTRUCTION

Pull-In, Reach-Out: Successfully Integrating

Technology For At-Risk Students, art, Jo Elise Friedman/Dean Kephart, 170312.

COMPUTER SCIENCE

Models That Teach About the Computer: AppleWorks and ProDOS, the Computer's Memory and Disk Storage, art, Margaret L. Niess, 170108.

Developing thinking skills with computers, rw, J. B. Black/K. Swan/D. L. Schwartz, 170206.

Programming contests: What can they tell us?, rw, C. C. Widmer/J. Parker, 170207.

Does Programming Deserve A Place in the School Curriculum?, art, Karin M. Wiburg, 170208.

Teaching Non-Recursive Binary Searching: Establishing a Conceptual Framework, art, E. Terry Magel, 170254.

The New BASICs, art, David I. Schneider, 170339.

A Step Ahead of the Class—The 1989 International Computer Problem Solving Contest: Senior Results, art, Donald T. Piele, 170420.

Computer Programming Can Develop Problem Solving Skills, art, Leah P. McCoy, 170446.

MATHLETES—The 1989 International Computer Problem Solving Contest: Junior Division Results, art, Donald T. Piele, 170520.

The Logical Elephant—The 1989 International Computer Problem Solving Contest: Elementary Division Results, art, Donald T. Piele, 170610.

Quick BASIC Interpreter (1.0), srev, James H. Wiebe, 170744.

Measuring computer literacy of teacher trainers, rw, C.F. Berger/E.A. Carlson, 170806.

Using Mental Models to Teach Programming to Beginners, art, Diane McGrath, 170811.

COOPERATIVE LEARNING

Cooperative Learning and Self-Esteem on the Staff of the Junior Lynx, art, Frances Beebe, 170308.

CURRICULUM INTEGRATION

Project CHILD—"Not Boring School, But Work That's Fun and Near", art, Sarah M. Butzin, 170620.

The Lab Instructor: Success as Obsolescence, art, Gloria Fowler, 170709.

DATABASES

Databasing Geometry in the Elementary Classroom, col, Marilyn Sue Ford, 170120.

Choosing the Right Database Management Program, art, Edward L. Vockell/Donald Kopenc, 170129.

A World Geography Database Project: Meeting Thinking Skills Head-On, art, Carolyn L. Elder/Charles S. White, 170329.

Scholarship Information System, srev, Sara Armstrong, 170435.

Database Yearbooks in the Second Grade, art, Ruth Hollis, 170614.

EARLY CHILDHOOD

The Playroom, srev, Cindy Martindale, 170644.

EDITOR'S MESSAGE (column)

A Sneaky Way to Improve Education, edit, Dave Moursund, 170104.

On Being A Technology Advisor, edit, Dave Moursund, 170204.

Effective Inservice for Computers in Education, edit, Dave Moursund, 170304.

One-on-One Inservice, edit, Dave Moursund, 170404.

Reflections on Math Education, edit, Dave Moursund, 170504.

One Consequence of the Information Age, edit, Dave Moursund, 170604.

The Information Age: Evolutionary and Revolutionary Change, edit, Dave Moursund, 170704.

ISTE: Where Are We Heading?, edit, Dave Moursund, 170804.

EQUITY

A manifold model of computer access and interaction for secondary school males and females, rw, B. Collis/T. E. Kiernan/H. Kass, 170106.

The effect of equity strategies on girls' computer usage in school, rw, M. C. Fish/A. L. Gross/J. S. Sanders, 170107.

Programming contests: What can they tell us?, rw, C. C. Widmer/J. Parker, 170207.

Have We Closed the GAPS in Student Computer Use?, col, Leroy Smith, 170237.

Using computers for instruction, rw, H. J. Becker, 170307.

Developing Software for Gender Equity: A Review of Breaking the Barriers, col/brev, Jo Sanders, 170654.

ETHICS

Multimedia Copyright, col, Fred D'Ignazio, 170532.

ESL/MULTICULTURAL

Walton High School Project BLAST, rw, M. G. Asselle, 170306.

Adapting Computer Applications for Multicultural Teaching, art, Jo Lynn Autry Digranes/Swen H. Digranes, 170320.

EVALUATION

Tests, Assignments, and Evaluation, col, Sharon Yoder, 170133.

One Consequence of the Information Age, edit, Dave Moursund, 170604.

FUTURES

On The Basics of Education in the 21st Century, edit, Philip East, 170606.

The future of computers in education, rw, Patrick Suppes, 170608.

Futures: Where will computer-assisted instruction (CAI) be in 1990?, rw, R. C. Atkinson/E. E. Attala/D. L. Bitzer/C. V. Bunderson/S. Charp/J. J. Hirschbuhl, 170608.

Educational technology: The next ten years, rw, Christopher J. Dede, 170609.

As we may think, rw, Vannevar Bush, 170609.

An Inquiry-Centered Classroom of the Future,

Subject Listing

- col, Fred D'Ignazio, 170616.
Project CHILD—"Not Boring School, But Work That's Fun and Neat," art, Sarah M. Butzin, 170620.
Image Processing: A Complement to Text, col, Jack Turner, 170624.
The Information Age: Evolutionary and Revolutionary Change, edit, Dave Moursund, 170704.
- GRAPHICS**
ColorMe Computer Coloring Kit, srev, George Beu, 170345.
Who Can Draw With a Macintosh?, art, Bonnie Meltzer, 170721.
- HARDWARE**
Troubleshooting the Classroom Microcomputer, art, Neal Grandgenett/Kimber Sullivan, 170636.
Examining Computer Configurations: Mini-Labs, art, Robertta H. Barba, 170808.
- HYPERMEDIA**
Hypermedia: New Technology Tool For Educators, art, Elizabeth J. Raker, 170118.
LinkWay, srev, Dorie Munson, 170149.
Through the Looking Glass: The Multiple Layers of Multimedia, col, Fred D'Ignazio, 170425.
Taking Some of the "Hype" out of HyperCard, art, Christopher R. Brown, 170450.
- INQUIRY ENVIRONMENTS**
System-wide factors in sustaining technology-based inquiry environments, rw, Laura M. W. Martin, 170408.
An Inquiry-Centered Classroom of the Future, col, Fred D'Ignazio, 170616.
- INTEGRATED TEACHING SYSTEMS**
Integrated Teaching Systems: Guidelines for Evaluation, art, Richard Alan Smith/Susan Sclafani, 170336.
- KEYBOARDING**
First Grade Spelling Success With Keyboarding, art, Sondra L. McClendon, 170235.
Keyboarding Instruction Mini-Articles, col, Jessica Kahn/Michelle Aviccolli/Kathy Lodise/Sandra Calvert/J. Allen Watson/Ann Fidanque/Lynne Anderson-Inman/Cathy Carney, 170834.
- LANGUAGE ARTS**
Revision for the Restless: Peer Editing with the Macintosh, col, Barbara G. Erickson, 170154.
First Grade Spelling Success With Keyboarding, art, Sondra L. McClendon, 170235.
Logo Writing: Illustrating Poetry, col, Sharon Yoder/Connie Sue Bowman, 170342.
Computers and Whole Language: A "Novel" Frontier, col, Shelley B. Wepner, 170524.
Word Study, Logo-Style, col, Judi Harris, 170529.
Waiting to Connect: The Writer in Electronic Residence, col, Trevor Owen, 170546.
Image Processing: A Complement to Text, col, Jack Turner, 170624.
Primary Editor Plus, srev, Julie A. Poage, 170648.
- Speech: The Third Dimension*, col, Lynne Anderson-Inman/William Adler/Mary Cron/Michael Hillinger/Richard Olson/Bonnie Prohaska, 170735.
Keyboarding Instruction Mini-Articles, col, Jessica Kahn/Michelle Aviccolli/Kathy Lodise/Sandra Calvert/J. Allen Watson/Ann Fidanque/Lynne Anderson-Inman/Cathy Carney, 170834.
Midnight Rescue, srev, Judi Mathis, 170839.
Patrick's Visual: A Book Report Using Presentation Software, art, Daniel T. Lake, 170854.
- LOGO**
Tests, Assignments, and Evaluation, col, Sharon Yoder, 170133.
Pre-Logo Games, art, Judith A. Kull/Bert Cohen, 170137.
Effects of Logo computer programming experience on problem-solving and spatial relations ability, rw, R. B. Miller/G. N. Kelly/J. T. Kelly, 170205.
Software design for learning: On learning mathematics through instructional software design, rw, I. Harel, 170206.
Place Value - Place = Hieroglyphic AHA's, col, Judi Harris, 170240.
How Can a Square Look Like a Circle?, col, Larry Flick, 170333.
Logo Writing: Illustrating Poetry, col, Sharon Yoder/Connie Sue Bowman, 170342.
Model Building—Without LEGO®, col, Sharon Yoder, 170409.
Wrapping in the First Grade Classroom, art, Judith A. Kull/Joyce Carter, 170412.
Using the Computer to Make Mathematics Visual, col, A. C. Loewen, 170442.
AI in the Elementary, Middle, and Secondary Classroom, art, Susan N. Kirkpatrick/Barbara Biglan, 170514.
Word Study, Logo-Style, col, Judi Harris, 170529.
Using Logo to Explore Polygonal Numbers, col, Alice Mae Guckin, 170542.
Logo Teacher as Logo Researcher, col, Molly Lynn Watt, 170627.
Implementing Powerful Ideas: The Case of RUN, art, Rina Zazkis/Uri Leron, 170640.
Logo in the Primary Classroom: Should Simplified Versions Be Used?, art, Rina Cohen, 170741.
Pixelated Phlowers: Logo-Fueled Phenotypes and Genotype Investigations, col, Judi Harris/NancyLee Bergey, 170815.
- MATHEMATICS**
Place Value - Place = Hieroglyphic AHA's, col, Judi Harris, 170240.
Hands-On Math Volume 1, srev, Judi Mathis, 170244.
Elastic Lines: The Electronic Geoboard, srev, Judi Mathis, 170247.
Math Blaster Mystery, srev, Luann Johnson, 170248.
Tetris, srev, Helen Joseph, 170251.
How Can a Square Look Like a Circle?, col, Larry Flick, 170333.
Computers, Music and Math: Sound Discoveries Using BASICA, art, Nancy A. Norman, 170353.
Teachers' thinking about students' thinking about geometry: The effects of new teaching tools, rw, Magdalene Lampert, 170408.
System-wide factors in sustaining technology-based inquiry environments, rw, Laura M. W. Martin, 170408.
Teaching Problem Solving Strategies With and Without the Computer, art, Marilyn R. Jussel, 170416.
NumberMaze, srev, Bruce Tillitt, 170432.
Using the Computer to Make Mathematics Visual, col, A. C. Loewen, 170442.
Reflections on Math Education, edit, Dave Moursund, 170504.
Using Logo to Explore Polygonal Numbers, col, Alice Mae Guckin, 170542.
Database Yearbooks in the Second Grade, art, Ruth Hollis, 170614.
Graphing Calculators: Comparisons and Recommendations, col, Frank Demana/Tom Dick/John Harvey/John Kenelly/Gary Musser/Bert Waits, 170724.
Derive, col/srev, Jerry Johnson, 170829.
Mathematics Exploration Toolkit, col/srev, Maurice Burke, 170829.
Outnumbered, srev, Judi Mathis, 170839.
- MULTIMEDIA**
Welcome to the Multimedia Sandbox!, col, Fred D'Ignazio, 170127.
LinkWay, srev, Dorie Munson, 170149.
Multimedia on Wheels, col, Fred D'Ignazio, 170224.
Getting Started with Multimedia: 16 Classroom Management Strategies, col, Fred D'Ignazio, 170317.
Through the Looking Glass: The Multiple Layers of Multimedia, col, Fred D'Ignazio, 170425.
Multimedia Copyright, col, Fred D'Ignazio, 170532.
An Inquiry-Centered Classroom of the Future, col, Fred D'Ignazio, 170616.
Multimedia Horsepower: How Much Is Enough?, col, Fred D'Ignazio, 170716.
On the Road: Electronic Highways and the Classroom of the Future, col, Fred D'Ignazio, 170820.
- MUSIC**
Computers, Music and Math: Sound Discoveries Using BASICA, art, Nancy A. Norman, 170353.
- PROBLEM SOLVING/CRITICAL THINKING**
A Sneaky Way to Improve Education, edit, Dave Moursund, 170104.
Effects of Logo computer programming experience on problem-solving and spatial relations ability, rw, R. B. Miller/G. N. Kelly/J. T. Kelly, 170205.
Developing thinking skills with computers, rw, J. B. Black/K. Swan/D. L. Schwartz, 170206.
Tetris, srev, Helen Joseph, 170251.

Subject Listing

HOTS: A thinking skills program for at-risk students, rw, S. Pogrow, 170305.

Computer simulations to stimulate scientific problem solving, rw, Robert Rivers/Edward Vockell, 170407.

Model Building—Without LEGO®, col, Sharon Yoder, 170409.

Wrapping in the First Grade Classroom, art, Judith A. Kull/Joyce Carter, 170412.

Critical Thinking, Technology, and Research Go Hand in Hand, col, Irene Clise, 170414.

Teaching Problem Solving Strategies With and Without the Computer, art, Marilyn R. Jussel, 170416.

Computer Programming Can Develop Problem Solving Skills, art, Leah P. McCoy, 170446.

Return of the Dinosaurs, rev, Carlene Mobery, 170744.

PHYSICAL EDUCATION

Physical Education: How Does It Compute?, art, Bonnie Mohnson, 170845.

RESEARCH SKILLS

Using Carmen Sandiego to Teach Reference Skills, col, Lynn Myers, 170212.

Critical Thinking, Technology, and Research Go Hand in Hand, col, Irene Clise, 170414.

Elementary students' use of electronic information services: An exploratory study, rw, G. Marchionini/J. Teague, 170506.

CD-ROM Comes of Age in the High School Media Center: Teaching Research Skills, col, Carol Truett, 170539.

RESEARCH WINDOWS (column) by Linda Polin

Learning about technology: Family vs. peer pairings, rw, P. Heller/M. Padilla/B. Hertel/R. Olstad, 170105.

Talk and the microcomputer: An investigation in the infant classroom, rw, A. Hill/A. Browne, 170106.

A manifold model of computer access and interaction for secondary school males and females, rw, B. Collis/T. E. Kiernan/I. Kass, 170106.

The effect of equity strategies on girls' computer usage in school, rw, M. C. Fish/A. L. Gross/J. S. Sanders, 170107.

Effects of Logo computer programming experience on problem-solving and spatial relations ability, rw, R. B. Miller/G. N. Kelly/J. T. Kelly, 170205.

Developing thinking skills with computers, rw, J. B. Black/K. Swan/D. L. Schwartz, 170206.

Software design for learning: On learning mathematics through instructional software design, rw, I. Harel, 170206.

Programming contests: What can they tell us?, rw, C. C. Widmer/J. Parker, 170207.

HOTS: A thinking skills program for at-risk students, rw, S. Pogrow, 170305.

Walton High School Project BLAST, rw, M. G. Asselle, 170306.

Language development component, Compensation

tory Language Experiences and Reading Program (CLEAR), 1987-88, rw, R. Lore/E. Chamberlain, 170306.

Using computers for instruction, rw, H. J. Becker, 170307.

Computer simulations to stimulate scientific problem solving, rw, Robert Rivers/Edward Vockell, 170407.

Cognitive consequences of microcomputer-based laboratories: Graphing skill development, rw, Marcia C. Linn/John W. Layman/Rafi Nachmias, 170408.

Teachers' thinking about students' thinking about geometry: The effects of new teaching tools, rw, Magdalene Lampert, 170408.

System-wide factors in sustaining technology-based inquiry environments, rw, Laura M. W. Martin, 170408.

The context of oral and written language: A framework for mode and medium switching, rw, D. E. Murray, 170505.

Talking about teaching by writing: The use of computer-based conferencing for collegial exchange among teachers, rw, M. M. West/M. Inghilleri/E. McSwiney/D. Sayers/K. Stroud, 170505.

Problem solving interactions on electronic networks, rw, M. Waugh/N. Miyake/J. Levin/M. Cohen, 170506.

Elementary students' use of electronic information services: An exploratory study, rw, G. Marchionini/J. Teague, 170506.

The future of computers in education, rw, Patrick Suppes, 170608.

Futures: Where will computer-assisted instruction (CAI) be in 1990?, rw, R. C. Atkinson/E. E. Attala/D. L. Bitzer/C. V. Bunderson/S. Chapp/J. J. Hirschbuhl, 170608.

The future, rw, Alfred Bork, 170609.

Intelligent videodisc and the learning society, rw, Andrew Molnar, 170609.

Educational technology: The next ten years, rw, Christopher J. Dede, 170609.

As we may think, rw, Vannevar Bush, 170609.

Computers to enhance science education: An inservice designed to foster classroom implementation, rw, J.E. Roseman/M.A. Brearton, 170806.

Measuring computer literacy of teacher trainers, rw, C.F. Berger/E.A. Carlson, 170806.

What do teachers need to know about instructional media in the computer age?, rw, W.C. Savenye, 170806.

SCIENCE

Hooked into Science, col, Lynne Schrum, 170114.

IBM Biology Series, rev, Julie A. Poage, 170144.

Probing Temperature and Heat, col, Larry Flick, 170215.

Computer simulations to stimulate scientific problem solving, rw, Robert Rivers/Edward Vockell, 170407.

Cognitive consequences of microcomputer-based laboratories: Graphing skill development, rw, Marcia C. Linn/John W. Layman/Rafi

Nachmias, 170408.

System-wide factors in sustaining technology-based inquiry environments, rw, Laura M. W. Martin, 170408.

Problem solving interactions on electronic networks, rw, M. Waugh/N. Miyake/J. Levin/M. Cohen, 170506.

Science Toolkit Module 3: Body Lab, rev, Julie A. Poage, 170650.

Computers to enhance science education: An inservice designed to foster classroom implementation, rw, J.E. Roseman/M.A. Brearton, 170806.

New primary teacher trainees and computers: Where are they starting from?, rw, M. Summers, 170807.

Pixelated Phlowers: Logo-Fueled Phenotypes and Genotype Investigations, col, Judi Harris/NancyLee Bergey, 170815.

SIMULATIONS

Computer simulations to stimulate scientific problem solving, rw, Robert Rivers/Edward Vockell, 170407.

SOCIAL STUDIES

A World Geography Database Project: Meeting Thinking Skills Head-On, art, Carlyn L. Elder/Charles S. White, 170329.

PC USA, rev, Peggy Healy Stearns, 170839.

SOFTWARE

Teaching Problem Solving Strategies With and Without the Computer, art, Marilyn R. Jussel, 170416.

The Teacher's Role in Maximizing the Value of Computer Play, art, Kathryn Downing, 170453.

Computers and Whole Language: A "Novel" Frontier, col, Shelley B. Wepner, 170524.

A Software Selection Model for the Special Student, art, Robert Smith/John F. Vokurka, 170536.

Drill and Practice Software: What is Appropriate Feedback?, art, Mary Trieschmann, 170553.

SOFTWARE REVIEWS (column) edited by Cathy Carney, Judi Mathis, and Julie Poage

IBM Biology Series, rev, Julie A. Poage, 170144.

LinkWay, rev, Dorie Munson, 170149.

Microsoft Works 2.00a, rev, Keith Wetzel, 170150.

Hands-On Math Volume 1, rev, Judi Mathis, 170244.

Elastic Lines: The Electronic Geoboard, rev, Judi Mathis, 170247.

Math Blaster Mystery, rev, Luann Johnson, 170248.

Tetris, rev, Helen Joseph, 170251.

ColorMe Computer Coloring Kit, rev, George Beu, 170345.

NumberMaze, rev, Bruce Tillitt, 170432.

Scholarship Information System, rev, Sara Armstrong, 170435.

AppleWorks 3.0, rev, Neal Strudler, 170436.



Telecommunications: Make the connection.

Whether you want to hook up with a teacher in Kenya, or a teacher across town, ISTE's *Telecommunications in the Classroom* will help you make the connection.

Authors Chris Clark, Barbara Kurshan, Sharon Yoder, and teachers around the world have done your homework in *Telecommunications in the Classroom*. The book details what telecommunications is, how to apply it in your classroom, what hardware and software you'll need, and what services are available. *Telecommunications in the Classroom* also includes a glossary of telecommunications terms and exemplary lesson plans from K-12 teachers.

Telecommunications in the Classroom is an affordable, informative resource for workshops, classes, and personal use. \$10

**Make your connection today
with ISTE's—
*Telecommunications in the
Classroom*.**

To order from ISTE, see page 56.

Subject Listing

The Playroom, rev, Cindy Martindale, 170644.
Multiple Choices, rev, Kathy Spraggins, 170647.
Primary Editor Plus, rev, Julie A. Poage, 170648.
Science Toolkit Module 3: Body Lab, rev, Julie A. Poage, 170650.
Return of the Dinosaurs, rev, Carlene Mobery, 170744.
Quick BASIC Interpreter (1.0), rev, James H. Wiebe, 170744.
Outnumbered, rev, Judi Mathis, 170839.
Midnight Rescue, rev, Judi Mathis, 170839.
PC USA, rev, Peggy Healy Stearns, 170839.

SPECIAL NEEDS

A Software Selection Model for the Special Student, art, Robert Smith/John F. Vokurka, 170536.
Power to the Learner, art/brev, Gayl Bowser, 170714.
Who Can Draw With a Macintosh?, art, Bonnie Meltzer, 170721.

SPREADSHEETS

Teach Spreadsheet Proficiency With Personal Money Management Projects, art, Nona Berghaus, 170754.

TEACHER EDUCATION

Effective Inservice for Computers in Education, edit, Dave Moursund, 170304.
One-on-One Inservice, edit, Dave Moursund, 170404.
Talking about teaching by writing: The use of computer-based conferencing for collegial exchange among teachers, rw, M. M. West/M. Inghilleri/E. McSwiney/D. Sayers/K. Stroud, 170505.
Logo Teacher as Logo Researcher, col, Molly Lynn Watt, 170627.
Computers to enhance science education: An inservice designed to foster classroom implementation, rw, J.E. Roseman/M.A. Brearton, 170806.
Measuring computer literacy of teacher trainers, rw, C.F. Berger/E.A. Carlson, 170806.
What do teachers need to know about instructional media in the computer age?, rw, W.C. Savenye, 170806.
New primary teacher trainees and computers: Where are they starting from?, rw, M. Summers, 170807.
Patrick's Visual: A Book Report Using Presentation Software, art, Daniel T. Lake, 170854.

TEACHER TOOLS

Creating Student Handouts with a Macintosh Computer, art, Paul Giganti, Jr., 170324.
Multiple Choices, rev, Kathy Spraggins, 170647.

TEACHING STRATEGIES

Talk and the microcomputer: an investigation in the infant classroom, rw, A. Hill/A. Browne, 170106.
Getting Started with Multimedia: 16 Classroom Management Strategies, col, Fred D'Ignazio,

170317.

The Teacher's Role in Maximizing the Value of Computer Play, art, Kathryn Downing, 170453.
The Synergy of Cross-age Tutoring: A Catalyst for Computer Use, art, Anthony Sassi, 170509.

TELECOMMUNICATIONS

Hooked into Science, col, Lynne Schrum, 170114.
Critical Thinking, Technology, and Research Go Hand in Hand, col, Irene Clise, 170414.
Talking about teaching by writing: The use of computer-based conferencing for collegial exchange among teachers, rw, M. M. West/M. Inghilleri/E. McSwiney/D. Sayers/K. Stroud, 170505.
Problem solving interactions on electronic networks, rw, M. Waugh/N. Miyake/J. Levin/M. Cohen, 170506.
Elementary students' use of electronic information services: An exploratory study, rw, G. Marchionini/J. Teague, 170506.
Waiting to Connect: The Writer in Electronic Residence, col, Trevor Owen, 170546.
Educational Telecommunications Connections for the Classroom—Part 1, col, Barbara Kurshan, 170630.
Educational Telecommunications Connections for the Classroom—Part 2, col, Barbara Kurshan, 170751.
Keys to Successful Telecomputing, col, Al Rogers/Yvonne Andres/Mary Jacks/Tom Clausen, 170825.

THE COMPUTING LIBRARIAN (column) edited by Carol Truett

Using Carmen Sandiego to Teach Reference Skills, col, Lynn Myers, 170212.
Critical Thinking, Technology, and Research Go Hand in Hand, col, Irene Clise, 170414.
CD-ROM Comes of Age in the High School Media Center: Teaching Research Skills, col, Carol Truett, 170539.
A New Resource for Teachers and Librarians, col, Carol Truett, 170719.

VIDEODISCS

Through the Looking Glass: The Multiple Layers of Multimedia, col, Fred D'Ignazio, 170425.
Videodisc—The Next Temptation, art, Richard Alan Smith, 170512.
The future, rw, Alfred Bork, 170609.
Intelligent videodisc and the learning society, rw, Andrew Molnar, 170609.

WORD PROCESSING

Revision for the Restless: Peer Editing with the Macintosh, col, Barbara G. Erickson, 170154.
ColorMe Computer Coloring Kit, rev, George Beu, 170345.
Primary Editor Plus, rev, Julie A. Poage, 170648.

